

Site Id	WSDOT District	Road	Mile Post	Stream	Tributary to	WRA	Feature Type	Fishway attached to the Feature	% Fish Pass	Significant Reach (≥ 200 m)	PI	Culvert No.	Shape	Material	Span (m)	Rise (m)	Length (m)	Bed Material Present	Water Surface Difference Drop (m)	Road Fill Depth (m)
990873	Eastern	I-90	198.55	Unnamed	E Low Canal	41	Culvert	No	0	No	1.1 RND	SPS	1.83	1.83	76.20	Unit	0.98	4.00		
990874	Eastern	I-90	202.55	Unnamed	E. Low Canal	41	Culvert	No	0	No	1.1 RND	SPS	1.83	1.83	91.44	Unit	0.88	3.00		
990545	Eastern	I-90	279.09	Garden Springs Cr.	Hangman Cr	56.0005	Culvert	No	33	Yes	1.1 BOX	CPC	1.22	0.91	102.44	No	0.00	2.54	5.00	
997546	Eastern	I-90 Off Rd	278.00	Garden Springs Cr.	Hangman Cr	56.0005	Culvert	No	33	Yes	1.1 RND	CST	0.91	0.91	27.58	No	0.00	2.60	1.00	
997547	Eastern	I-90 Off Rd	278.00	Garden Springs Cr.	Hangman Cr	56.0005	Culvert	No	33	Yes	1.1 RND	PCC	0.46	0.46	17.30	No	0.06	1.85	1.50	
990226	Eastern	SR 194	1.20	Little Almota Cr.	Snake R	35.0108	Culvert	No	0	Yes	6.29	1.1 RND	CST	0.91	0.91	42.67	Unit	1.31	4.00	
990273	Eastern	SR 195	93.39	Marshall Cr	Hangman Cr	56.0008	Culvert	No	0	Yes	9.57	1.1 BOX	CPC	1.91	1.91	63.60	No	1.39	1.40	5.00
992122	Eastern	SR 20	361.47	Unnamed	Kcogh Lk	59	Culvert	No	67	Yes	1.1 RND	CAL	0.60	0.60	32.52	Yes	0.00	2.92	0.40	
990303	Eastern	SR 20	363.73	Narcisse Cr	Lk Pend Oreille	59.0252	Culvert	No	0	Yes	2.2 RND	CST	0.77	0.77	16.10	No	0.23	1.80	0.60	
990303	Eastern	SR 20	363.73	Narcisse Cr.	Lk Pend Oreille	59.0252	Culvert	No	0	Yes	1.2 RND	PCC	0.96	0.96	15.80	No	0.00	1.58	0.60	
990881	Eastern	SR 20	380.10	Unnamed	Thomas Lk	59	Culvert	No	33	Yes	1.1 SQSH	CST	1.45	1.45	25.90	No	0.00	4.17	1.00	
990350	Eastern	SR 20	388.13	Renshaw Cr.	Pend Oreille R	62.0310	Culvert	No	33	No	1.2 RND	CST	0.90	0.90	22.00	No	0.00	3.50	2.00	
990350	Eastern	SR 20	388.13	Renshaw Cr.	Pend Oreille R	62.0310	Culvert	Yes	0	No	2.2 RND	CST	0.90	0.90	22.29	No	0.00	3.90	2.00	
990351	Eastern	SR 20	389.50	Renshaw Cr.	Pend Oreille R	62.0310	Culvert	Yes	0	Yes	1.1 SQSH	CST	1.92	1.40	23.70	No	0.00	2.00		
990533	Eastern	SR 20	403.60	Reynolds Cr.	Pend Oreille R	62.0408	Culvert	No	0	Yes	2.65	1.1 RND	PCC	0.76	0.76	43.47	No	0.27	3.01	2.00
990280	Eastern	SR 21	115.50	Meadow Cr.	Sampoil R	52	Culvert	No	0	Unknown	1.1 BOX	PCC	1.83	1.83	Unit	6.10	0.00	6.10		
990204	Eastern	SR 21	117.05	Jack Cr.	Sampoil R	52	Culvert	No	0	Yes	3.13	1.1 BOX	PCC	1.22	1.22	Unit	6.10	0.00	6.10	
990140	Eastern	SR 21	120.10	Empire Cr.	Sampoil R	52	Culvert	No	0	Yes	3.78	1.1 BOX	PCC	1.22	0.91	27.43	Unit	1.25	2.50	
990056	Eastern	SR 21	123.60	Cache Cr.	Sampoil R	52	Culvert	No	67	Unknown	1.1 BOX	PCC	0.91	1.22	Unit	0.30	0.00	0.30		
990013	Eastern	SR 21	139.40	Anderson Cr.	Sampoil R	52	Culvert	No	0	Yes	3.58	1.1 BOX	PCC	1.22	2.44	Unit	0.30	0.00	0.30	
990399	Eastern	SR 21	175.20	St. Peter's Cr.	Curleyw Cr.	60	Culvert	No	0	Yes	3.31	1.1 RND	CST	1.07	1.07	21.34	Unit	0.00	3.00	
990372	Eastern	SR 23	53.30	Sheep Cr.	Upper Crab Cr.	43.0852	Culvert	No	0	Yes	3.99	1.1 BOX	PCC	2.29	3.05	35.97	Unit	0.00	5.00	
991683	Eastern	SR 231	36.10	Unnamed	Spring Cr.	54.0108A	Culvert	No	0	No	1.1 BOX	PCC	1.22	1.83	16.15	Unit	0.55	2.50		
991470	Eastern	SR 25	33.50	Unnamed	O-Ra-Pak-En Cr.	58	Culvert	No	0	No	1.1 RND	CST	0.91	0.91	36.58	Unit	0.40	2.50		
990007	Eastern	SR 25	37.60	Alder Cr.	Lk Roosevelt	58.0134	Culvert	No	0	Yes	6.61	1.1 BOX	PCC	1.52	1.83	20.42	Unit	0.00	6.00	
990198	Eastern	SR 25	42.37	Hunters Cr.	Lk Roosevelt	58.0146	Culvert	No	0	Yes	4.87	1.1 BOX	PCC	1.68	1.68	3.96	27.13	Unit	2.50	
990433	Eastern	SR 25	84.60	Pingston Cr.	Columbia R	61.0007	Culvert	No	67	Unknown	1.1 BOX	PCC	1.22	1.22	3.05	Unit	0.00	7.00		
995337	Eastern	SR 270	34	42.9 Unnamed	Paradise Cr.	62.0014	Culvert	No	67	Yes	1.1 BOX	CPC	1.22	1.83	25.49	No	0.00	1.40	2.50	
990201	Eastern	SR 31	3.80	1 lone Millpond	Pend Oreille R	62.0279	Culvert	No	0	Yes	11.73	1.1 BOX	PCC	2.13	2.44	25.91	Unit	0.00	2.50	
990416	Eastern	SR 31	10.70	Sweet Cr.	Pend Oreille R	62.0224	Culvert	No	0	Yes	3.17	1.1 BOX	PCC	2.29	2.59	19.51	Unit	0.00	7.50	
997535	Eastern	SR 31	12.98	Linton Cr.	Pend Oreille R	62.0214	Culvert	No	0	Yes	3.17	1.1 RND	PCC	1.22	1.22	44.44	No	0.35	3.65	11.25
991471	Eastern	SR 31	18.22	Three Mile Cr.	Pend Oreille R	62.0051	Culvert	No	33	Yes	1.1 BOX	PCC	0.46	0.46	13.40	No	0.00	2.80	1.50	
997541	Eastern	SR 31	24.34	Lime Cr.	Pend Oreille R	62.0014	Culvert	No	33	Yes	1.1 BOX	CPC	3.05	3.05	43.08	No	0.00	1.85	1.00	
997543	Eastern	US 195	95.77	Garden Springs Cr.	Hangman Cr	56.0005	Culvert	No	33	Yes	1.2 RND	CST	0.91	0.91	75.90	No	0.00	7.50	9.00	
997543	Eastern	US 195	95.77	Garden Springs Cr.	Hangman Cr.	56.0005	Culvert	No	33	Yes	2.2 RND	CST	0.91	0.91	76.19	No	0.00	7.50	9.00	
997498	Eastern	US 2	296.35	Deadman Cr.	Little Spokane R	55.0051	Culvert	No	33	Yes	1.1 BOX	CPC	2.44	2.44	58.66	No	0.00	0.48	16.00	
990113	Eastern	US 2	304.40	Deer Cr.	Little Spokane R	55.0380	Culvert	Yes	33	Yes	2.13	2.13	2.74	2.74	Unit	0.00	0.00	0.00		
990125	Eastern	US 395	174.95	Dragon Cr.	Little Spokane R	55.0163	Culvert	No	33	Yes	2.2 BOX	CPC	3.05	3.05	43.08	No	0.00	-0.18	6.00	
990125	Eastern	US 395	183.72	Unnamed	Beaver Cr.	55.0298	Culvert	No	33	Yes	1.2 BOX	CPC	3.05	3.05	43.08	No	0.00	-0.18	6.00	
991001	Eastern	US 395	204.79	Franzwa Cr.	Colville R.	59.0687	Culvert	No	33	Yes	1.1 RND	PCC	1.22	1.22	29.91	No	0.00	1.90	2.00	
990157	Eastern	US 395	212.80	Unnamed	Colville R.	59	Culvert	No	0	Yes	1.1 RND	PCC	0.91	0.91	31.04	No	0.00	1.90	1.00	
990573	Eastern	US 395	247.70	Deadman Cr.	Keittle R.	60.0008	Culvert	No	0	Yes	1.1 BOX	PCC	1.52	1.52	45.72	Unit	0.79	0.79		
990106	Eastern	US 395	247.70	Deadman Cr.	Keittle R.	60.0008	Culvert	No	11.48	1.1 BOX	PCC	1.52	2.13	11.00						

WSDOT Fish Passage Barriers Inventory as of March 2006

Site Id	WSDOT District	Road	Mile Post	Stream	Tributary to	WRRA	Feature Type	Fishway attached to the Feature	% Fish Pass	Significant Reach (≥ 200 m)	PI	Culvert No.	Shape	Material	Span (m)	Rise (m)	Length (m)	Bed Material Present	Water Surface Difference Drop (m)	Slope	Road Fill Depth (m)
990267	Eastern	US 395	249.90	Matsen Cr	Kettle R	60.0056	Culvert	No	33	Yes	2.76	1.1 RND	PCC	1.22	1.22	30.48	Unk	0.00	5.00		
990124	Eastern	US 395	250.20	Doyle Cr	Kettle R Arm	60.0060	Culvert	No	0	Unknown	1.1 RND	PCC	1.22	1.22	21.34	Unk	0.00	12.00			
997532	Eastern	US 195	94.90	Unnamed	Hangman Cr	56.0066	Culvert	No	67	No	1.1 ELL	SPS	2.29	2.51	101.55	No	0.00	1.16	4.00		

There are 1538 WSDOT barrier features inventoried as of March 2006. The number of records in this spreadsheet exceeds 1538 due to the existence of multiple pipes at some crossings, referred to this appendix as Culvert Numbers (see explanation below).

1. The culvert number identifies individual culverts at multiple stream crossings. Format X.Y, where X = specific culvert number, and Y = total number of culver at a crossing. For example, in a triple culvert crossing, the first pipe would be 1.1, the second 2.3, and the third 3.3.

Culvert Material

Culvert Shape:

- PCC - precast concrete
- CST - corrugated steel
- SST - smooth steel
- CAL - Corrugated aluminum
- SPS - structural plate steel
- PVC - plastic
- TMB - timber
- MRV - masonry
- OTH - other
- SPA - structural plate aluminum
- CPC - cast in place concrete